

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"4282897".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:48
S2	1	"4456440".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:48
S3	1	"4573886".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:48
S4	2	"2733664".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:49
S5	1	"6918595".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:49
S6	1	"5611681".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:49
S7	1	"3806285".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:50
S8	1	"3981620".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:50
S9	1	"5393434".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:50
S10	2	"2841092".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:51
S11	2	"3489171".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:51
S12	2	"3323467".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:51
S13	1	"4045343".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:52

S14	0	"31480".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:52
S15	1	"4260342".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:53
S16	1	"4097202".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:53
S17	1	"4197875".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:53
S18	0	"3810716pn."	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:53
S19	1	"3810716".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:54
S20	1	"4846218".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:54
S21	2	"3510233".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:54
S22	1	"4008012".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:55
S23	1	"4453898".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 10:55
S24	1	"5584674".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 13:19
S25	24	("3785167" "4109751" "4239461" "4313715" "4371054" "4401418" "4990067").PN. OR (("5584674").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 13:24
S26	24	("3785167" "4109751" "4239461" "4313715" "4371054" "4401418" "4990067").PN. OR (("5584674").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:08

S27	11	("5220811" "5304044" "5496156" "5584674" "5733108" "5888055" "5971720" "5988990" "5992170" "6129522" "6149402").PN. OR ("7381032").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:09
S28	18	("2043849" "3509907" "4988269" "5147189" "5302087" "5346373" "5362216").PN. OR ("5733108").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:14
S29	12	("5938411").PN. OR ("6129522").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:16
S30	17	("4401418" "5584674" "5605447" "5703336" "5733107").PN. OR ("5938411").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:17
S31	44	("1910672").PN. OR ("4109751").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:26
S32	67	("20040179955" "2274459" "2437446" "3006160" "3144754" "3233698" "3323305" "3509907" "3645358" "3663127" "3762837" "3864064" "3876339" "3913703" "3920095" "4061444" "4086032" "4105227" "4356885" "4412791" "4418443" "4671380" "4676515" "4745988" "4758135" "4782858" "4846482" "4854839" "4901760" "4979587" "5101931" "5129793" "5164552" "5199856" "5201643" "5205719" "5214937" "5224840" "5226796" "5238370" "5265646" "5288212" "5341654" "5493080" "5495711" "5496156" "5583325" "5584674" "5596879" "5635687" "5697216" "5723828" "5762479" "5785508" "5899218" "5951261" "5957664" "5996733" "5997258"	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:26

		"6935848").PN. OR ("7210912").URPN.				
S33	20	("2297530" "2955671" "4333544" "4755108" "5201640" "5584674" "5647314" "5733106" "5938411" "5950307" "6017197" "6129522" "6149402" "6206135" "6506028" "6520289" "6547535" "6692238"). PN. OR ("7147082").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:28
S34	12	("4730695" "4784583" "5199856" "5208429" "5435700" "5496156" "5584674").PN. OR ("6446454").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:29
S35	13	("20030150670" "4370104" "4412791" "5214937" "5427511" "5542824" "5734134" "5888055" "6017197" "6149402" "6358019" "6446454" "6524080"). PN. OR ("7316291").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:30
S36	23	("2198258" "3044688" "3075686" "3817661" "4281972" "4313715" "4370104" "4401418" "4412791" "5207564" "5252035" "5288212" "5341654" "5344289"). PN. OR ("5435700").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:33
S37	11	("4213414" "4267899" "4313715" "4422525" "4693339" "4784581" "5341654" "5496156" "5804777").PN. OR ("6524080").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:35
S38	25	("4477229" "4582468" "4755108" "4759693" "4784581" "4784583" "4911619" "4960368" "5201640" "5207564" "5224840" "5238370" "5304044" "Re33902"). PN. OR ("5542824").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:36

S39	13	("3129784" "4179883" "4582468" "4730695" "4900234" "5252035" "5263643").PN. OR ("5734134").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:38
S40	10	("5518374" "5636974" "5734134" "5823294" "5893706" "5997257").PN. OR ("6174140").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:39
S41	14	("3864064" "4370104" "4401418" "4784581" "4960368" "5328338" "5496156" "5542824").PN. OR ("5733106").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 14:51
S42	1	("2004/0179955").URPN.	USPAT	ADJ	ON	2008/07/07 15:16
S43	1	"4793775".pn.	USPAT	ADJ	ON	2008/07/07 15:42
S44	19	("2133875" "3187996" "4086032" "4531894" "4606706").PN. OR ("4793775").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 15:43
S45	1	"20020076335"	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 16:03
S46	0	("2002/0076335").URPN.	USPAT	ADJ	ON	2008/07/07 16:04
S47	1	"5647314".pn.	USPAT	ADJ	ON	2008/07/07 16:04
S48	31	("2815742" "3557902" "4109751" "4420063" "4620607" "5164550" "5349141" "5490484").PN. OR ("5647314").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 16:05
S49	1	"6155800".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 16:05
S50	1	"4793775".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 16:06
S51	1	"5201640".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 16:06
S52	33	("4370104" "4401418" "4415060" "4582468" "4755108" "4759693" "4793775" "4911619" "4960368").PN. OR ("5201640").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 16:07

S53	1	"6017197".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 16:07
S54	1	"5971720".pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/07 16:07
S55	304	417/254.ccls.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/10 07:45
S56	4	("2889108").URPN.	USPAT	ADJ	ON	2008/07/10 07:54
S57	1	("1773669").URPN.	USPAT	ADJ	ON	2008/07/10 07:59
S58	0	("1171825").URPN.	USPAT	ADJ	ON	2008/07/10 08:12
S59	30	("2185264" "2538842" "2561227" "2678609" "2916998" "3040712" "3330217" "3461805"). PN. OR ("4568249").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/10 08:28
S60	41	("0411263" "0452537" "0462471" "0730917" "0746344" "1579782" "1586278" "2831325" "3125963" "3220351" "3354790" "3620653" "3806285" "3877841" "4068562" "4568249" "4573886" "4772184" "5011383" "5015158" "5051074" "5094598" "5118265" "5141413" "5209647" "5246355" "5403168").PN. OR (("5622486").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/10 08:31
S61	3	("1586278").URPN.	USPAT	ADJ	ON	2008/07/10 08:33
S62	158	417/448.ccls.	USPAT	ADJ	ON	2008/07/10 08:44
S63	130	417/451.ccls.	USPAT	ADJ	ON	2008/07/10 09:18
S64	468	417/454.ccls.	USPAT	ADJ	ON	2008/07/10 09:35
S65	17	("1561175" "2828696" "2932312" "3077899" "3206110" "3372648" "3508849" "3526246"). PN. OR ("4193744").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/10 09:42

S66	42	("1879370" "1979476" "2118317" "2292375" "2439958" "2440216" "2630072" "2931313" "2973629" "3109293" "3145629" "3206110" "3372648" "3623235" "3792939" "3811801" "3994626" "4239463" "4393752" "4447195").PN. OR ("4576557").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/10 09:43
S67	15	("2753804" "3203357" "3216365" "3492946").PN. OR ("3726612").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/10 10:06
S68	136	417/487.ccls.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/10 10:34
S69	0	("1794356").URPN.	USPAT	ADJ	ON	2008/07/10 10:37
S70	0	valve NEAR seal NEAR synthetic WITH pump	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/10 13:58
S71	3	valve NEAR seal NEAR synthetic	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/10 13:59
S72	1	seal NEAR synthetic WITH pump	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/10 14:00
S73	200	seal NEAR synthetic	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/10 14:01
S74	40	("3446057" "3855129" "3917531" "3934456").PN. OR ("4045343").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/07/10 15:09
S75	237	(277/648).OCLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/29 13:23
S76	212	(277/649).OCLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/29 14:21
S77	6	("126624").URPN.	USPAT	OR	OFF	2009/05/29 14:22
S78	16	("785116").URPN.	USPAT	OR	OFF	2009/05/29 14:24
S79	5	("2117807").URPN.	USPAT	OR	OFF	2009/05/29 14:31
S80	10	("2538364").URPN.	USPAT	OR	OFF	2009/05/29 14:38

S81	20	("2996162" "4054293" "4200296" "4335885" "4482129" "4575102" "4577340" "4605233" "4865334" "4988130" "5007513" "5113102" "5238254" "5433454" "5593164" "5683523" "5686941" "5836568" "5836623").PN. OR ("6857635").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/29 15:17
S82	20	("2996162").URPN.	USPAT	OR	OFF	2009/05/29 15:21
S83	237	(277/612).OCLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/29 15:39
S84	3	("612394").URPN.	USPAT	OR	OFF	2009/05/29 15:40
S85	5	("3317224").URPN.	USPAT	OR	OFF	2009/05/29 15:52
S86	7	("3542381").URPN.	USPAT	OR	OFF	2009/05/29 15:55
S87	13	("2976543" "3334774" "3775780" "3871034" "4482161" "4908885" "4991858" "5115554" "5377361" "5492372" "6394505").PN. OR ("6644670").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/29 16:07
S88	9	("3334774").URPN.	USPAT	OR	OFF	2009/05/29 16:11
S89	1492	(277/626).OCLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/29 16:16
S90	971	S89 and seal\$3	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/29 16:16
S93	182	S90 and (concave or convex)	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/29 16:19
S94	17	("3206229").URPN.	USPAT	OR	OFF	2009/05/29 16:55
S95	10	("3429581").URPN.	USPAT	OR	OFF	2009/05/29 17:32

S96	72	("2259940" "2882073" "2898131" "2953398" "3244797" "3315971" "3520047" "3584889" "3632732" "3749543" "3806301" "3823216" "3858912" "3998578" "4005968" "4030872" "4107249" "4134949" "4150087" "4157372" "4161384" "4170448" "4177237" "4204823" "4218208" "4239473" "4266926" "4277231" "4279853" "4299412" "4315630" "4331625" "4338716" "4353860" "4362187" "4379115" "4395379" "4428591" "4474726" "4481978" "4545951" "4643658" "4702502" "4723905" "4826028" "4834430" "4865362" "4880579" "4906010" "4915425" "4946206" "4968241" "5064207" "5158389" "5296188" "5324083" "5348051" "5992469" "6082741" "6199592" "6336640" "6948718" "RE29446").PN. OR ("7331582").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/29 18:39
S97	1492	(277/626).OCLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/29 19:34
S98	971	S97 and seal\$3	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/29 19:34
S99	182	S98 and (concave or convex)	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/29 19:34
S100	789	S98 not S99	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/29 19:34
S101	6	("3537731").URPN.	USPAT	OR	OFF	2009/05/29 20:36

S102	45	("0580049" "3030118" "3083023" "3290047" "3329447" "3479063" "4087097" "4193604" "4335883").PN. OR ("4410186").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/29 21:00
S103	21	("0037929" "0085392" "1830782" "2403449" "2842385" "2950930" "3029095" "3129021" "3861723" "4640530" "5059748").PN. OR ("6053504").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/29 21:21
S104	1	"4595495".pn.	USPAT	OR	OFF	2009/05/30 18:57
S105	2	((FRITZ) near2 (GYGER)).INV.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/05/30 19:27
S106	1002	(277/644).CCLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/02/02 13:58
S107	311	(16/2.2).CCLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/02/02 15:42
S108	395	(277/607).CCLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/02/02 16:01
S109	498	(277/585-587).CCLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/02/02 17:48
S111	504	packing adj2 plug\$1	US-PGPUB; USPAT; USOOR	OR	OFF	2010/02/02 18:41
S112	65	S111 and concentric	US-PGPUB; USPAT; USOOR	OR	OFF	2010/02/02 18:41
S113	112	S111 and pump\$1	US-PGPUB; USPAT; USOOR	OR	OFF	2010/02/02 18:45
S114	92	S113 not S112	US-PGPUB; USPAT; USOOR	OR	OFF	2010/02/02 18:46
S115	11	bushing with (hemispherical near2 recess\$2)	US-PGPUB; USPAT; USOOR	OR	OFF	2010/02/02 18:55
S116	222	(hemispherical near2 surface) with seal\$3	US-PGPUB; USPAT; USOOR	OR	OFF	2010/02/02 18:58

S117	136	S116 and (annular or concentric)	US-PGPUB; USPAT; USOOR	OR	OFF	2010/02/02 18:59
S119	383	(annular or concentric) with (contact near2 line\$1) with (convex or concave or dome or conical)	US-PGPUB; USPAT; USOOR	OR	OFF	2010/02/02 19:25
S121	45	S119 and seal\$3 and pump \$3	US-PGPUB; USPAT; USOOR	OR	OFF	2010/02/02 19:26
S122	6	((plug or bushing) adj2 end \$1) with (annular or concentric) with (contact near2 line\$1)	US-PGPUB; USPAT; USOOR	OR	OFF	2010/02/02 19:43
S123	200	(285/104).OCLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/03/31 15:57
S124	469	(285/917).OCLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/03/31 16:12

EAST Search History (Interference)

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4/ 1/ 2010 12:44:45 PM
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